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ABBREVIATIONS FOR SOURCES

AL	ARGONNE NATIONAL LABORATORY, MATS PROJECT
AS	APPLIED STATISTICS
BT	B.I.T.
CA	COMMUNICATIONS OF THE ASSOCIATION FOR COMPUTING MACHINERY
CB	COMPUTER BULLETIN
CC	COMPUTER PHYSICS COMMUNICATIONS
CH	CHIFFRES
CJ	COMPUTER JOURNAL
CP	COMPUTING
HA	U.K.A.E.A., HARWELL, REPORTS
IC	I.C.C. BULLETIN (INTERNATIONAL COMPUTATION CENTRE)
JC	JOURNAL OF THE ASSOCIATION FOR COMPUTING MACHINERY
MC	MATHEMATICS OF COMPUTATION
NM	NUMERISCHE MATHEMATIK
SN	SIAM JOURNAL ON NUMERICAL ANALYSIS
TO	TRANSACTIONS ON MATHEMATICAL SOFTWARE
ZM	ZASTOSOWANIA MATEMATYKI

LANGUAGE CODE

A	ALGOL
B	BASIC
F	FORTRAN
M	ASSEMBLY LANGUAGE
P	PL/1
PF	PL/1 - FORMAC

C5 ZEROS OF ONE OR MORE NON-LINEAR EQUATIONS

C5		SOLVE F(X)=0	BT,17-77(179)
C5		SYSTEMATIC SEARCH IN HIGH DIM. SETS (F)	SN,14-77(296)

D1 QUADRATURE

D1		CHEBYSHEV SERIES FOR OSCILL. INTEG. (A)	CJ,19-76(258)
D1	32	AUTO. COMP. OF SINGULAR INTEG. (F)	CP,17-76(265)
D1	33	WILF-QUADRATURE (F)	CP,81-77(271)

D3 PARTIAL DIFFERENTIAL EQUATIONS

D3		HYPERBOLIC DIFFERENTIAL EQUATIONS (A)	NM,28-77(121)

D5 INTEGRAL EQUATIONS

D5	486	NUM. INVERSION OF LAPLACE TRANSFORM (A)	CA,17-74(587),2-76(395),
D5	486		3-77(111)

E1 INTERPOLATION

E1		NONLINEAR SPLINE FUNCTIONS (F)	SN,14-77(254)

E2 CURVE AND SURFACE FITTING

E2	110	L SUB P NORM FIT OF A STRAIGHT LINE (F)	AS,26-77(114)
E2		AN ALGORITHM FOR DRAWING F(X,Y)=0 (A)	CJ,19-76(246)
E2		PACKAGE FOR CALCULATING WITH B-SPLINES(F)	SN,14-77(441)
E2	514	CUBIC CURVE FITTING USING LOCAL DATA (A)	TO,3-77(175)

E4 MINIMIZING OR MAXIMIZING A FUNCTION

E4	500	MIN. OF UNCONSTRAINED MULTIVAR. FUN. (F)	TO,2-76(87),2-76(397),
E4	500		3-77(112)

F1 MATRIX OPERATIONS, INCLUDING INVERSION

F1		UPDATE OF GRAM-SCHMIDT QR FACT. (A)	MC,30-76(772)
F1	513	ANALYSIS OF IN-SITU TRANSPOSITION (F)	TO,3-77(104)

F2 EIGENVALUES AND EIGENVECTORS OF MATRICES

F2	93	GENERALIZED EIGENVALUE PROBLEM (F)	CJ,20-77(86)
F2		JACOBI TYPE METHOD FOR COMPLEX SYM. (A)	NM,25-76(347)
F2	517	COND. NOS. OF EIGENVALUES (F)	TO,3-77(186)

F4 SIMULTANEOUS LINEAR EQUATIONS

F4	108	MULT. LINEAR REGRESSION IN L1 SENSE (F)	AS,26-77(106)
F4	408	A SPARSE MATRIX PACKAGE (PART 1) (F)	CA,14-71(265),16-73(311),
F4	408		16-73(578),3-77(303)
F4	84	COUPLED ALG. FOR TRIDIAGONAL SYSTEMS (A)	CJ,17-74(378),20-77(91)
F4		BANDED LINEAR SYSTEMS (F)	CJ,19-76(184)
F4		LARGE SPARSE LINEAR EQUATIONS (F)	CJ,19-76(352)
F4		SOLUTION OF TRIDIAGONAL LINEAR SYS. (A)	CJ,20-77(181)
F4		DECOMPOSITION OF A SYMMETRIC MATRIX (A)	NM,27-76(95)
F4	522	EXACT SOL. OF INTEGER LINEAR SYSTEMS (F)	TO,3-77(404)
F4	512	POS. DEF. SYM. QUINDIAGONAL LIN. (F)	TO,3-77(96)

G1 SIMPLE CALCULATIONS ON STATISTICAL DATA

G1	16	ESTIMATION FROM NORMAL DATA	AS,18-69(110),26-77(122)
G1	35	PROB. FROM FINITE POPULATIONS (A)	AS,20-71(99),20-71(346),
G1	35		21-72(352),26-77(221)
G1	101	DISTRIBUTION-FREE CONFIDENCE INTER. (F)	AS,25-76(309)
G1	111	PERCENTAGE POINTS OF THE NORMAL DIST. (F)	AS,26-77(118)
G1	112	EXACT DIST. FROM TWO-WAY TABLES (F)	AS,26-77(199)
G1	114	NUMERATOR OF ORDINAL MEAS. OF ASSOC. (F)	AS,26-77(211)
G1	115	EXACT 2-SIDED CONFID. LIMITS 2X2 TAB. (F)	AS,26-77(214)
G1	107	CHAR. FOR SEQUENTIAL SAMPLING PLANS (F)	AS,26-77(98)
G1	516	CONFID. INTERVALS & PT. EST. (F)	TO,3-77(183)

G2 CORRELATION AND REGRESSION ANALYSIS

G2	75	LINEAR LEAST SQUARES REGRESSION (A)	AS,23-74(448),25-76(323)
G2	87	POLYCHORIC EST. OF CORR. IN CONT. TAB. (F)	AS,24-75(272),26-77(121)
G2	104	BLUS RESIDUALS (A)	AS,25-76(317)
G2	105	COVARIANCE SELECTION MODEL TO A MATRIX (F)	AS,26-77(88)

G5 RANDOM NUMBER GENERATORS

G5	98	SPECTRAL TEST FOR CONG. RAND. NO. GEN. (F)	AS,25-76(173),25-76(324)
G5	106	DISTRIBUTION OF NON-NEG QUAD. FORMS (F)	AS,26-77(92)

G6 PERMUTATIONS AND COMBINATIONS

G6		GENERATING PERMUTATIONS (A)	CJ,19-76(156)
G6	515	GEN. OF VECTOR FROM LEXICO. INDEX (F)	TO,3-77(180)

G7 SUBSET GENERATORS

G7	113	NON-HIERARCHICAL CLASSIFICATION (F)	AS,26-77(206)

H OPERATIONS RESEARCH, GRAPH STRUCTURES

H	102	ULTRAMETRIC DISTS. FOR S.L. DENDRO. (F)	AS,25-76(313)
H	219	TOPOLOGICAL ORDERING FOR PERT NETS. (A)	CA,6-63(738),3-77(303)
H	91	BALANCING A BINARY TREE (F)	CJ,19-76(360)
H	31	NUMBER OF PATHS IN A NETWORK (A)	CP,17-76(93)
H	520	REVISED SIMPLEX METHOD (F)	TO,3-77(295)

J6 PLOTTING

J6		DRAWING CONTOURS FROM ARB. DATA PTS. (A)	CJ,17-74(318),19-76(335)

L2 COMPILING

L2		CROSS COMPILER FOR POCKET CALC. (B)	CJ,20-77(213)

M1 SORTING

M1		TESTS OF QUICKSORT AND DESCENDANTS (F)	CA,17-74(143),3-77(204)

M2 DATA CONVERSION AND SCALING

M2	94	HANDLING DATES ON SMALL COMPUTERS (F)	CJ,20-77(280)

S APPROXIMATION OF SPECIAL FUNCTIONS

S FUNCTIONS ARE CLASSIFIED S01 TO S22, FOLLOWING FLETCHER-MILLER-ROSENHEAD, INDEX OF MATH. TABLES

S14	63	INCOMPLETE BETA INTEGRAL (F)	AS,22-73(409),26-77(111)
S14	64	INVERSE INCOMP. BETA FUNC. RATIO (F)	AS,22-73(411),26-77(111)
S14	103	PSI (DIGAMMA) FUNCTION (F)	AS,25-76(315)
S14	109	INCOMPLETE BETA INT. & INVERSE ... (F)	AS,26-77(111)
S14	518	INCOMPLETE BESSEL FUNC. I SUB 0 (F)	TO,3-77(279)
S14	519	KOLMOGOROV-SMIRNOV PROBABILITIES (F)	TO,3-77(285)
S15	521	REREATED INTEGRALS OF COERROR FUNC. (F)	TO,3-77(301)
S16	259	LEGENDRE FUNCS. FOR ARG. .GT. 1 (A)	CA,8-65(488),3-77(204)
S18	511	CDC 6600 BESSEL FUNCTIONS I & J (F)	TO,3-77(93)

Z ALL OTHERS

Z		BLOCK SIZES FOR MAGNETIC TAPE FILES (A)	CJ,20-77(10)
Z	95	GENERATING A PARITY TESTING TABLE (A)	CJ,20-77(280)
Z	523	CONVEX HULL FOR PLANAR SETS (F)	TO,3-77(411)